

Attachment H
Calculated Groundwater Remedial System Air Stripper Emissions
Former Amphenol Facility
EPA ID # IND 044 587 848
980 Hurricane Road
Franklin, IN 46131

VOC Compound	Laboratory concentration (ug/m ³)	Maximum observed flow/day (m ³)	ug/day	lbs/day	lbs/yr
TCE	665	2,854.34	1,898,136.10	0.0042	1.5274
PCE	1950	2,854.34	5,565,963.00	0.0123	4.4789
VC	12.1	2,854.34	34,537.51	0.0001	0.0278
1,1,1 TCE	285	2,854.34	813,486.90	0.0018	0.6546
trans DCE	3.1	2,854.34	8,848.45	0.0000	0.0071
cis DCE	411	2,854.34	1,173,133.74	0.0026	0.9440
1,1 DCA	39.2	2,854.34	111,890.13	0.0002	0.0900
1,2 DCA	17.9	2,854.34	51,092.69	0.0001	0.0411
Total VOCs				0.0213	7.7710

Maximum observed flow= 70 cfm

Flow/day =(70 cfm x 60 min/hr x 24 hr/day) / 35.314667 ft³/m³

ug/day= conc ug/m³ x flow m³

lbs/day= ug/day x 1^{e-6}/453.5 g/lb

Notes:

Calculations assume operation 24 hours/day x 365 days/yr.

Concentrations based upon laboratory results of sample obtained 7/26/18.

Sample obtained directly from air stripper exhaust pipe inside treatment bldg.

Sample collected using 6-liter summa cannister with 8 hr. flow regulator.

Sample analyzed by Pace Analytical Services LLC, Minneapolis, MN using EPA Method TO-15/TO-15 SIM.

Maximum flow measurement obtained from the air stripper exhaust pipe (4-inch diameter) using a Fluke 922 Micromanometer.

